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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231 www.uspto.gov

## NOTICE OF ALLOWANCE AND FEE(S) DUE

	7590 02	/21/2002				The state of the s	
McDermot Will & Emery					EXAMINER		
600 13th Street 1 Washington, DC	NW				LATTIN, CHRISTOPHER W		
washington, DC	20003-3070				ART UNIT CLASS-SUBCLASS		
					2812	438-054000	
				DATE	MAILED: 02/21/2002		
APPLICATION NO.	FILING DA	те	FIRST NAMED INVENTO	OR A	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/463,144	01/20/200	00	Shinji Umeda	A STREET	43890-392	5905	
TITLE OF INVENTION	: METHOD OF MAN	NUFACTURING SENS	OR AND RESISTOR ELEM	ent			
TOTAL CLAIMS	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
13	nonprovisional	NO	\$1280	\$0	\$1280	05/21/2002	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37, CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ASSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status.

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and mail this form, together with applicable fee(s), to:

**Box ISSUE FEE** 

**Assistant Commissioner for Patents** 

Washington, D.C. 20231

where appropriate. All fur	rther correspondence in d below or directed of	ncluding the Patent, advan	ce orders and notification	n of maintenance fees	s will be mailed to the current and/or (b) indicating a sep-	ugh 4 should be complete it correspondence address a arate "FEE ADDRESS" fo	
CURRENT CORRESPONDE	NCE ADDRESS (Note: Legit 7590 02/2	ly mark-up with any corrections of 1/2002		Note: The certificate of mailing below can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.			
McDermot Will 600 13th Street N Washington, DC	IW			I hereby certify that United States Postal S	Certificate of Mailing this Fee(s) Transmittal is Service with sufficient posta to the Box Issue Fee ad	being deposited with the	
						(Depositor's name	
						(Signature	
						(Date	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	OR .	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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13	nonprovisional	NO NO	ISSUE FEE \$1280	PUBLICATION FE	S 1280	DATE DUE	
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EXAM		ART UNIT	CLASS-SUBCLA	SS			
LATTIN, CHR	RISTOPHER W	2812	438-054000				
Dut not required.  Change of correspon Address form PTO/SB/ "Fee Address" indica PTO/SB/47) attached.  ASSIGNEE NAME AN	dence address (or Char 122) attached. ation (or "Fee Address"	Indication form  A TO BE PRINTED ON T	or agents OR, all single firm (have attorney or agen registered patent is listed, no name	type)	registered f up to 2 f no name 3	a whom are againment has	
been previously submitte (A) NAME OF ASSIGN  Please check the appropria	EE .	(B	) RESIDENCE: (CITY a	ind STATE OR COU	gnee data is only appropriat substitute for filing an assig NTRY) prporation or other private gr		
4a. The following fee(s) ar	e enclosed:		Payment of Fee(s):				
☐ Issue Fee		_	A check in the amount o	• • • • • • • • • • • • • • • • • • • •			
☐ Publication Fee	C!	m	Payment by credit card. The Commissioner is be		tached. arge the required fee(s), or c	redit any overnovment to	
Advance Order - # of	Copies	— De	posit Account Number _	(e)	nclose an extra copy of this f	form).	
The COMMISSIONER OF application identified above	F PATENTS AND TR.	ADEMARKS is requested	to apply the Issue Fee a	nd Publication Fee (if	any) or to re-apply any pre	viously paid issue fee to the	
(Authorized Signature)	<u> </u>	(Date)		<del></del> .			
other than the applicant; interest as shown by the r	; a registered attorney records of the United S This form is estimated of the individual case. A ould be sent to the Ch Vashington, D.C. 2023 DRESS. SEND FEE:	required) will not be act or agent; or the assigned tates Patent and Trademar to take 0.2 hours to comments on the amount of Information Officer, 1. DO NOT SEND FEES AND THIS FORM Ton, D.C. 20231	k Office.				

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09/463,144	01/20/2000		Shinji Umeda	43890-392	5905		
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McDermot Will & Emery				LATTIN, CHRISTOPHER W			
600 13th Street N Washington, DC 2		96		ART UNIT	PAPER NUMBER		
UNITED STATE	S		•	2812			
				DATE MAILED: 02/21/2002			

# Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

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		Application	No.	Applicant(s)		
		09/463,144		UMEDA ET AL.		
Notice of Allo	wability	Examiner			Art Unit	
			V Lattin	2812		
The MAILING DATE All claims being allowable, PROSE herewith (or previously mailed), a N NOTICE OF ALLOWABILITY IS No of the Office or upon petition by the	otice of Allowance (PTOL-85) DT A GRANT OF PATENT RI	(OR REMAINS or other appro GHTS. This a	<ul> <li>CLOSED in this apprinte communication polication is subject to</li> </ul>	plication. If not include will be mailed in due	ed course. THIS	
2. ☐ Certified copies 3. ☑ Copies of the ce	-9, 11, 13-15.	caminer. der 35 U.S.C. § been received been received	I. I in Application No		ition from the	
International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  5.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  (a)  The translation of the foreign language provisional application has been received.  6.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.						
8. CORRECTED DRAWINGS in (a) including changes required to (b) including changes required (c) including changes required including changes required to (c) including changes req	red by the Notice of Draftsper to Paper No red by the proposed drawing	correction filed	, which has be	een approved by the l		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.						
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s)	(O. 802)		2□ Notice of Informa	al Patent Application (	(PTO-152)	
1 ☐ Notice of References Cited (PT 3 ☐ Notice of Draftperson's Patent 5 ☐ Information Disclosure Stateme 7 ☐ Examiner's Comment Regardin of Biological Material	Drawing Review (PTO-948) ents (PTO-1449), Paper No	<del></del> -	4☐ Interview Summ 6☐ Examiner's Ame	ary (PTO-413), Paper	r No	

Application/Control Number: 09/463,144

Art Unit: 2812

## **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: The prior art of record fails to adequately anticipate or obviate either singularly or in combination with another reference the claimed device and method of making the device, which include a resistive element with a top surface electrode on which is formed a field effect transistor element, and a sensing element, wherein the gate of the transistor is electrically connected to the top surface of the resistive element, one of the electrodes of the sensor element is electrically connected with the top surface of the resistive element, a source electrode and drain electrode are connected with second and third electrodes formed on the surface of the substrate, and the other electrode of the sensing element is electrically connected with the first electrode on the substrate. (Italics added for the additional subject matter added in the amendment filed 12/20/01 which overcome the previous reference and place the claims in condition for allowance).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Lattin whose telephone number is (703)

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305-3017. The examiner can normally be reached Monday through Friday from 8:00 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Niebling, can be reached at (703) 308-3325. The fax number for this Group is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

CWL C February 15, 2002

John F. Niebling
Supervisory Patent Examiner
Technology Center 2800